



Protect Environment Go United

UNITED GEOSYNTHETICS (ASIA) CO., LTD.

UTD Geosynthetic Clay Liner

Technical Data Sheet

| Tested Property | Test Method | Frequency | Value |
|--------------------------------|----------------------------|-------------------------|---|
| Geotextile Property | | | |
| Cap Nonwoven, Mass/Unit Area | ASTM D 5261 | 1/20,000 m ² | 250 g/m ² MARV |
| Carrier Woven, Mass/Unit Area | ASTM D 5261 | 1/20,000 m ² | 125 g/m ² MARV |
| Bentonite Property | | | |
| Swell Index | ASTM D 5890 | 1/50,000 kg | 24 ml/2 g min |
| Moisture Content | ASTM D 4643 | 1/50,000 kg | 12% max |
| Fluid Loss | ASTM D 5891 | 1/50,000 kg | 18 ml max |
| Finished GCL Property | | | |
| Bentonite, Mass/Unit Area | ASTM D 5993 | 1/4,000 m ² | 3.66 kg/m ² MARV |
| Tensile Strength | ASTM D 6768 | 1/4,000 m ² | 5.3 kN/m MARV |
| Peel Strength | ASTM D 6496 ASTM D 4632 | 1/4,000 m ² | 610 N/m MARV 93 N MARV |
| Hydraulic Conductivity | ASTM D 5887 | 1/Week | 5 x 10 ⁹ cm/sec max |
| Index Flux | ASTM D 5887 | 1/Week | 1 x 10 ⁸ m ³ /m ² /sec max |
| Internal Shear Strength | ASTM D 6243 | Periodically | 24 kPa Typical |
| TYPICAL ROLL DIMENSIONS | | | |
| Width x Length | Typical | Every Roll | 4 m x 30 m |
| Area per Roll | Typical | Every Roll | 120 m ² |
| Packaged Weight | Typical | Every Roll | kg |

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